

12-PAIR COMMUNICATION CABLE

LW LOOP WIRE (NO. 14 A.W.G.)

PS PROPOSED ELECTRIC SERVICE

EC EXISTING CABLE

ML MICRO-LOOP PROBE

JELLIED FILLED, (UNDERGROUND)

CABLE (NO. 14 A.W.G.) ALUMINUM

SHIELDED G 2 CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.)

(NO. 14 A.W.G.) K-N 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

H-J 5 CONDUCTOR ELECTRICAL CABLE

O STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

PHASE CHART R Y G G G FL/R FL/R FL/R R R R PHASE 2 2 CHANGE $R \mid R \mid R$ $R \mid R \mid \triangleleft G -$ PHASE 3 3 CHANGE $R \mid R \mid \triangleleft Y - \mid Y \mid Y \mid R \mid R \mid R \mid \forall \bot$ RRRRRGGGG PHASE 4 4 CHANGE R | R | R | R | Y | Y | Y | FL/Y | FL/Y | FL/Y | FL/R | FL/R | FL/R | FL/R | OPERATION

EQUIPMENT LIST "A"

A. APPROVED SHA EQUIPMENT TO BE PURCHASED BY THE DEVELOPER AND INSTALLED BY THE CONTRACTOR. ALL EQUIPMENT IN THIS LIST SHALL HAVE CATALOG CUTS SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO. QUANTITY NONE

DESCRIPTION

CONTACT PERSONS FOR DISTRICT 5 ARE AS FOLLOWS:

MR, JOHN MAYS ASSISTANT DISTRICT ENGINEER - UTILITIES (410) 841-1002

MR. LARRY ELLIOTT (410) 841-1003

MR. CHARLES GEORGE ASSISTANT DISTRICT ENGINEER - TRAFFIC ASSISTANT DISTRICT ENGINEER - MAINTENANCE (410) 841-1002

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR. MR. EUGENE BAILEY CHIEF, TRAFFIC OPERATIONS TEAM LEADER SIGN OPERATIONS (410) 787-7630 (410) 787-7676

MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS (410) 787-7631

MR. DAVID SCHWARTZ SUPPLY OFFICE IV (SIGNAL SHOP WAREHOUSE) (410) 787-7668

MR. ED RODENHIZER TEAM LEADER SIGNAL OPERATIONS (410) 787-7652

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
1001 2002 5001	LS 2 EA 2 EA	MAINTENANCE OF TRAFFIC TEST PIT EXCAVATION FURNISH AND INSTALL HEAT APPLIED PERMANENT
5002	4 EA	THERMOPLASTIC PAVEMENT MARKING ARROW FURNISH AND INSTALL HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKING LETTER
5005	105 LF	FURNISH AND INSTALL 24 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
8009	3 EA	FURNISH AND INSTALL 12 IN. VEHICULAR SIGNAL HEAD SECTION OPTICALLY PROGRAMMED
8011	18 EA	FURNISH AND INSTALL 12 IN, VEHICULAR SIGNAL HEAD SECTION
8013	1 EA	FURNISH AND INSTALL 15 FT. BRACKET ARM FOR SIGNAL
8014	1 EA	STRUCTURE FURNISH AND INSTALL 250 WATT HPS LUMINAIRE WITH PHOTOCELL
8020	1 EA	FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT FOR SIGNAL

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO. NONE

QUANTITY DESCRIPTION

EQUIPMENT LIST "B" CONTINUED

LEAD-IN

QUANTITY

1 EA

2 EA

70 LF

350 LF

1430 LF

7 CY

160 LF

108 LF

210 LF

25 LF

25 LF

50 LF

14 EA

2 EA

80 LF

1060 LF

260 LF

1700 LF

490 LF

1 EA

1 EA

2 EA

1 EA

2 EA

1 EA

1 EA

1 EA

2 EA

10 EA

2830 LF

640 LF

DESCRIPTION

ELECTRICAL PVC CONDUIT - BORED

COPPER GROUND WIRE

BY 10 FT. LENGTH

(NO. 14 A.W.G.)

(NO. 14 A.W.G.)

(NO. 12 A.W.G.)

LOOP DETECTOR

GROUND MOUNTED

TUBING (NO. 14 A.W.G.)

(36" X 42") MAST ARM MOUNT

(36" X 36") GROUND MOUNTED

(18" X 18") GROUND MOUNTED

LOOP DETECTOR AMPLIFIER

FURNISH AND INSTALL R3-4 SIGN

FURNISH AND INSTALL R4-7 SIGN (36" X 48") GROUND MOUNTED

FURNISH AND INSTALL R5-1 SIGN (36" X 36") GROUND MOUNTED

FURNISH AND INSTALL W4-1 SIGN (48" X 48") GROUND MOUNTED

(ALUMINUM SHIELDED)

NO. 4 A.W.G.-THHN/THWN

JELLY-FILLED (UNDERGROUND)

ELECTRICAL PVC CONDUIT - TRENCHED

FURNISH AND INSTALL MAST ARM POLE WITH TWIN 50 FT./70 FT.

FURNISH AND INSTALL 1 IN. ELECTRICAL CONDUIT GALVANIZED SLEEVE

FURNISH AND INSTALL MICRO PROBE SET 1000 FT.

FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED

FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID

FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID

FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION

FURNISH AND INSTALL WOOD SIGN SUPPORTS 4" X 4"

FURNISH AND INSTALL WOOD SIGN SUPPORTS 4" X 6"

FURNISH AND INSTALL NO. 6 A.W.G. STRANDED BARE

FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR WIRE SLEEVE FURNISH AND INSTALL ELECTRICAL CABLE 1-CONDUCTOR

FURNISH AND INSTALL 12-PAIR COMMUNICATION CABLE.

FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR

FURNISH AND INSTALL ELECTRICAL CABLE 5-CONDUCTOR

FURNISH AND INSTALL ELECTRICAL CABLE 7-CONDUCTOR

FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR

FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE

FURNISH AND INSTALL R4-7B SIGN (36" X 48") WITH OM-1(1) SIGN

FURNISH AND INSTALL GROUND ROD 3/4 IN. DIAMETER

FURNISH AND INSTALL ELECTRICAL HANDHOLE

FURNISH AND INSTALL SAW CUT FOR SIGNAL

BASE MOUNT FURNISH AND INSTALL R10-12(4) SIGN

W/"NEW" PANEL (30" X 30"), AND FLAGS

FURNISH AND INSTALL CONTROLLER AND CABINET

FURNISH AND INSTALL W3-3 SIGN (48" X 48"),

FURNISH AND INSTALL 4-CHANNEL TIME-DELAY-OUTPUT

FURNISH AND INSTALL GROUND MOUNTED DELINEATORS

ITEM NO.

8035

8043

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TRAFFIC CONCEPTS, INC.

325 Gambrills Road Suite E Gambrills, MD 21054 (410) 923-7101

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety

4188GI

T.I.M.S. NO. F258

SHEET NO.

TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION

MD 2-4 AND HUNTINGTON HIGH SCHOOL ENTRANCE

RAWN BY: M.HOWELL	F.A.P. NO.	
HECKED BY: T.ZAYDEL	S.H.A. NO.	BW996M8
CALE: NONE	COUNTY:	CALVE
3-25-02	LOG MILE:	
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